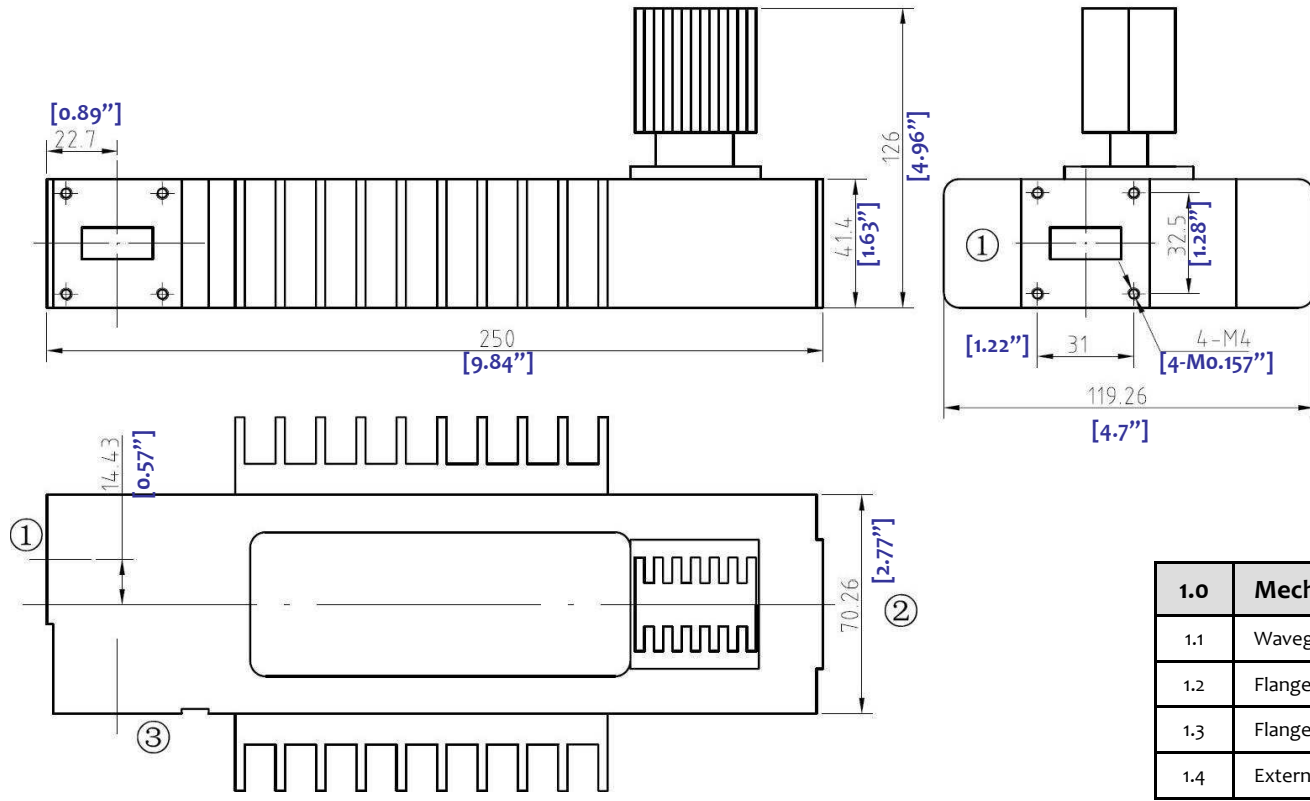
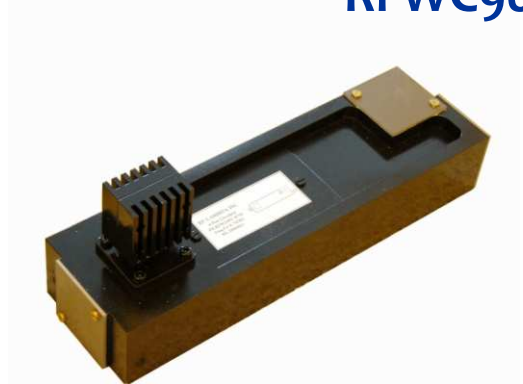



# WR90 HIGH POWER WAVEGUIDE CIRCULATOR – RFWC90D



1.0	Mechanical Specifications	
1.1	Waveguide type	Rectangular Waveguide WR90
1.2	Flange type	COVER, CPRF
1.3	Flange Holes	Through
1.4	External Body Finish	Body painted with gray/black epoxy enamel

2.0	Environment specifications	
2.1	Operation Temp.	-10°C~+55°C
2.2	Storage Temp.	-50°C~+125°C
2.3	Altitude	45000 ft
2.4	Vibration	10g rms (15 degree 2KHz)
2.5	Humidity	100% RH at 35c, 95%RH at 40 deg c
2.6	Shock	20G for 11msc

3.0	Electrical Specifications	
3.1	Frequency Range	8.2~12.4 GHz
3.2	Bandwidth	800MHz (9.5~10.3GHz as shown)
3.3	Max. VSWR	1.18:1
3.4	Insertion Loss	0.45dB
3.5	Isolation	20dB
3.6	Power handle	1000W CW
3.7	Peak Power	10KW (8% duty cycle)

PAGE 1 OF 1		DATE	APR 10TH 2006
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		RF-LAMBDA	RFPC
		CAD MODEL REVISION	19
		ASSEMBLY REVISION	V552
 <b>RFWC90D</b> <b>WAVEGUIDE</b> <b>HIGH POWER</b> <b>CIRCULATOR</b>		ASSEMBLY NAME	RFLVR17
		DRAWING NUMBER	D05-1
www.rflambda.com		SIZE	LT
RF-LAMBDA		SHEETS	1 OF 1